

Message Text

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12

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COME-00 GAC-01 ACDA-19 L-03 NASA-04 NSC-10 OST-04

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R 240022 Z MAR 73

FM SECSTATE WASHDC

TO AMEMBASSY OSLO

AMEMBASSY MADRID

AMEMBASSY TEL AVIV

AMEMBASSY TEHRAN

INFO DOD DIR ARPA RDFO ME BEIRUT, LEBANON

DIR ARPA RDFO AMEMB TEHRAN, IRAN

ARPA E VAIHENGEN, GERMANY

NOAA BOULDER, COLORADO

AFOSR WSH DC

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E. O. 11652 N/ A

TAGS: MARR, ACOM, NO, SP, IS, IR

SUBJECT: STUDY OF COMMUNICATIONS SATELLITE LINKS FOR A
WORLDWIDE SEISMIC NETWORKS

1. DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (ARPA) IS
INVESTIGATING MEANS OF CONNECTING REMOTE SEISMOGRAPHIC
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STATIONS TO A WORLDWIDE SEISMIC DATA NETWORK IN REAL- TIME OR NEAR REAL- TIME IN CONNECTION WITH ITS PROGRAM OF SEISMIC RESEARCH FOR AN UNDERGROUND NUCLEAR TEST BAN. COMMUNICATIONS SATELLITE CORPORATION (COMSAT) IS UNDER CONTRACT TO ARPA TO CONDUCT A STUDY, AS PART OF THIS PROGRAM, CONCERNING FEASIBILITY OF USING INTELSAT COMMUNICATIONS SATELLITE SYSTEM TO PROVIDE DIGITAL DATA LINKS FROM SELECTED SEISMIC STATIONS TO THE U. S. THIS WORK IS AN ELEMENT OF UNCLASSIFIED SEISMIC VERIFICATION RESEARCH PROPOSED BY THE U. S. AT GENEVA IN CCD WORKING PAPER NO 388, DATED AUGUST 24, 1972 ON SUBJECT: A REVIEW OF CURRENT PROGRESS AND PROBLEMS IN SEISMIC VERIFICATION. THE PURPOSE OF THIS MESSAGE IS TO INFORM ADDRESSEES OF COMSAT ACTIVITIES DURING THE NEXT FEW MONTHS IN NORWAY, SPAIN, ISRAEL, AND IRAN IN CONNECTION WITH THIS PROGRAM.

2. FOR AMEMBASSIES OSLO, MADRID, AND TELAVIV: COMSAT STUDY GROUP PLANS TO VISIT DURING NEXT TWO MONTHS ARPA- SPONSORED VERY LONG- PERIOD EXPERIMENT (VLPE) STATIONS LOCATED AT KONGSBERG, NORWAY; TOLEDO, SPAIN; AND EILAT, ISRAEL. THIS PORTION OF COMSAT STUDY WILL INVESTIGATE FEASIBILITY AND COST OF LINKING EACH STATION OVER TERRESTRIAL LINKS TO EXISTING INTELSAT EARTH STATION. INFORMATION WILL BE USED TO STUDY FEASIBILITY OF POSSIBLE FUTURE WORLDWIDE SEISMIC VERIFICATION SYSTEM. THERE ARE NO PLANS TO ACTUALLY INSTALL DATA LINKS AT THESE STATIONS, NOR DOES THIS WORK IMPLY SELECTION OF THESE PARTICULAR SITES FOR FUTURE SYSTEMS.

3. FOR AMEMBASSY NORWAY: COMSAT GROUP PLANS TO VISIT NORWEGIAN TELEGRAPH ADMINISTRATION IN LATE MARCH OR EARLY APRIL 1973 TO EXPLORE AVAILABILITY, COST, AND TRANSMISSION QUALITY OF WIDE- BAND DATA CIRCUITS FROM NORSAR SEISMIC ARRAY AT KJELLER, NORWAY TO INTELSAT EARTH STATION AT TATUM, SWEDEN. PRELIMINARY PLANS ARE TO INCREASE CAPACITY OF THE EXISTING CIRCUIT TO A 50 KB/ SEC DATA LINK IN FY 74.

4. FOR AMEMBASSY IRAN: IN REFERENCE TO GOI AGREEMENT FOR INSTALLATION OF SEISMIC ARRAY IN IRAN AS AN ELEMENT OF THE SEISMIC VERIFICATION RESEARCH PROGRAM (TEHRAN 6333), COMSAT GROUP PLANS TO VISIT IN APRIL 1973 THE PLANNED SITE FOR THE CENTRAL RECORDING STATION OF THE ARRAY AND TO EX- UNCLASSIFIED

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PLORE THE FEASIBILITY AND COSTS OF BRINGING DATA FROM THE

RECORDING STATION TO THE EXISTING INTELSAT EARTH STATION
IN IRAN. PRELIMINARY PLANS ARE TO BRING DATA BACK TO THE
U. S. FROM IRANIAN
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*** Current Classification *** UNCLASSIFIED

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